

ring bonds :  
 1-2 1-6 2-3 3-4 3-14 4-5 4-7 5-6 7-8 7-9 8-12 9-10 9-14 10-11 11-12  
 exact/norm bonds :  
 2-15 3-14 4-7 6-18 9-14  
 normalized bonds :  
 1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-9 8-12 9-10 10-11 11-12

G1:Ir,Rh

G2:Cl,Br,F,CH<sub>3</sub>,Et,n-Pr,i-Pr,Ph,MeO,EtO,n-PrO,i-PrO,CN,NO<sub>2</sub>

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
 11:Atom 12:Atom 14:Atom 15:CLASS 18:CLASS

L1 STRUCTURE UPLOADED

=> d his

(FILE 'HOME' ENTERED AT 10:25:32 ON 22 JUN 2009)

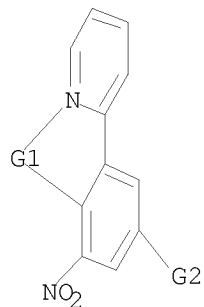
FILE 'REGISTRY' ENTERED AT 10:25:54 ON 22 JUN 2009

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 Ir,Rh

G2 Cl,Br,F,Me,Et,n-Pr,i-Pr,Ph,MeO,EtO,n-PrO,i-PrO,CN,NO<sub>2</sub>

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 10:26:22 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 5 TO ITERATE

100.0% PROCESSED 5 ITERATIONS

2 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 5 TO 234

PROJECTED ANSWERS: 2 TO 124

L2 2 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 10:26:28 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 74 TO ITERATE

100.0% PROCESSED 74 ITERATIONS

9 ANSWERS

SEARCH TIME: 00.00.01

L3 9 SEA SSS FUL L1

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

185.88

186.10

FILE 'CAPLUS' ENTERED AT 10:26:34 ON 22 JUN 2009

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FILE COVERS 1907 - 22 Jun 2009 VOL 150 ISS 26

FILE LAST UPDATED: 21 Jun 2009 (20090621/ED)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2009

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Feb 2009

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3

L4 1 L3

=> d bib abs

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN

AN 2006:632152 CAPLUS

DN 145:112952

TI Metal complexes with nucleophilic carbene ligands and devices and processes using them

IN Pretot, Roger; Van Der Schaaf, Paul Adriaan; Schmidt, Jemima;

Schmidhalter, Beat; Schaefer, Thomas; Lamatsch, Bernd

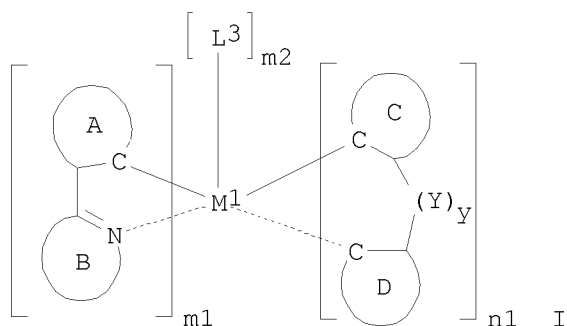
PA Ciba Specialty Chemicals Holding Inc., Switz.

SO PCT Int. Appl., 149 pp.

CODEN: PIXXD2

DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	WO 2006067074	A1	20060629	WO 2005-EP56767	20051214	
	W:			AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW		
	RW:			AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM		
	CA 2589711	A1	20060629	CA 2005-2589711	20051214	
	EP 1841834	A1	20071010	EP 2005-817212	20051214	
	EP 1841834	B1	20090506			
	R:			AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR		
	CN 101087863	A	20071212	CN 2005-80044163	20051214	
	JP 2008525366	T	20080717	JP 2007-547457	20051214	
	AT 430789	T	20090515	AT 2005-817212	20051214	
	IN 2007CN02780	A	20070907	IN 2007-CN2780	20070625	
	KR 2007091355	A	20070910	KR 2007-716762	20070720	
PRAI	EP 2004-106916	A	20041223			
	WO 2005-EP56767	W	20051214			
OS	MARPAT 145:112952					
GI						



AB The title complexes are described by the general formula I (ring A = an optionally substituted aryl group which can optionally contain heteroatoms; ring B = an optionally substituted nitrogen-containing aryl group, which can optionally contain further heteroatoms; ring A and ring B may be bonded to form a ring; group C = an acyclic carbene or a cyclic carbene which can optionally contain heteroatoms; ring D = an optionally substituted aryl group which can optionally contain heteroatoms; n1 = 1 = 3, m1 = 0, 1, or 2; m2 = 0 or 1; M1 = a metal with an atomic weight > 40; L3 =

a monodentate or bidentate ligand; Y = -C(=O)- or -C(X1)2-; X1 = H or C1-4 alkyl; and y = 0 or 1) with the exception of certain specified compds. The use of the compds. is described in electronic devices, especially organic

light-emitting diodes, as oxygen-sensitive indicators, as phosphorescent indicators in bioassays, and as catalysts. Organic electronic devices, especially organic light-emitting diodes, comprising an emitting layer which comprises the compds., as well as displays employing the light-emitting diodes, are also described.

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

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	ENTRY	SESSION
FULL ESTIMATED COST	4.50	190.60
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.82	-0.82

STN INTERNATIONAL LOGOFF AT 10:28:28 ON 22 JUN 2009

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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

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NEWS	3	APR 03	CAS coverage of exemplified prophetic substances enhanced
NEWS	4	APR 07	STN is raising the limits on saved answers
NEWS	5	APR 24	CA/CAPLUS now has more comprehensive patent assignee information
NEWS	6	APR 26	USPATFULL and USPAT2 enhanced with patent assignment/reassignment information
NEWS	7	APR 28	CAS patent authority coverage expanded
NEWS	8	APR 28	ENCOMPLIT/ENCOMPLIT2 search fields enhanced
NEWS	9	APR 28	Limits doubled for structure searching in CAS REGISTRY

NEWS 10 MAY 08 STN Express, Version 8.4, now available  
 NEWS 11 MAY 11 STN on the Web enhanced  
 NEWS 12 MAY 11 BEILSTEIN substance information now available on  
 STN Easy  
 NEWS 13 MAY 14 DGENE, PCTGEN and USGENE enhanced with increased  
 limits for exact sequence match searches and  
 introduction of free HIT display format  
 NEWS 14 MAY 15 INPADOCDB and INPAFAMDB enhanced with Chinese legal  
 status data  
 NEWS 15 MAY 28 CAS databases on STN enhanced with NANO super role in  
 records back to 1992  
 NEWS 16 JUN 01 CAS REGISTRY Source of Registration (SR) searching  
 enhanced on STN

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,  
 AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 10:31:02 ON 22 JUN 2009

\*\*\* YOU HAVE MAIL \*\*\*

=> fil reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.22	0.22

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STRUCTURE FILE UPDATES: 21 JUN 2009 HIGHEST RN 1159253-26-5  
 DICTIONARY FILE UPDATES: 21 JUN 2009 HIGHEST RN 1159253-26-5

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TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

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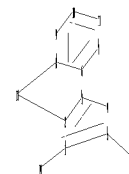
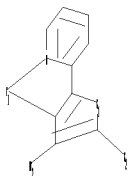
REGISTRY includes numerically searchable data for experimental and  
 predicted properties as well as tags indicating availability of  
 experimental property data in the original document. For information

on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

=>

Uploading C:\Program Files\STNEXP\Queries\532185-1.str



chain nodes :

14 17

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 13

chain bonds :

1-14 5-17

ring bonds :

1-2 1-5 2-3 2-13 3-4 3-6 4-5 6-7 6-8 7-11 8-9 8-13 9-10 10-11

exact/norm bonds :

1-14 1-2 1-5 2-3 2-13 3-4 3-6 4-5 5-17 8-13

normalized bonds :

6-7 6-8 7-11 8-9 9-10 10-11

G1:Ir,Rh

G2:Cl,Br,F,CH3,Et,n-Pr,i-Pr,Ph,MeO,EtO,n-PrO,i-PrO,CN,NO2

G3:O,S,N,Se

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:Atom 13:Atom 14:CLASS 17:CLASS

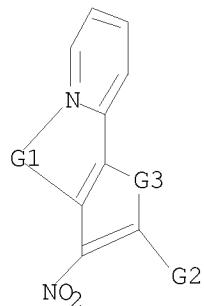
L1 STRUCTURE UPLOADED

=> d his

(FILE 'HOME' ENTERED AT 10:31:02 ON 22 JUN 2009)

FILE 'REGISTRY' ENTERED AT 10:31:14 ON 22 JUN 2009  
L1 STRUCTURE UPLOADED

=> d l1  
L1 HAS NO ANSWERS  
L1 STR



G1 Ir,Rh  
G2 Cl,Br,F,Me,Et,n-Pr,i-Pr,Ph,MeO,EtO,n-PrO,i-PrO,CN,NO2  
G3 O,S,N,Se

Structure attributes must be viewed using STN Express query preparation.

=> s l1  
SAMPLE SEARCH INITIATED 10:31:44 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE  
  
100.0% PROCESSED 0 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.10

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 0 TO 0  
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full  
FULL SEARCH INITIATED 10:32:05 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

L3 0 SEA SSS FUL L1

=>

---Logging off of STN---

=>  
Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	186.36	186.58

STN INTERNATIONAL LOGOFF AT 10:32:31 ON 22 JUN 2009